

Do VAN DUY

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Overview

SRE / DevOps Engineer with 5+ years building reliable, cost-efficient cloud platforms on AWS and GCP. Delivered \$12K+/month compute savings at ChoTot, reduced MTTR by 40% at Opswat, and scaled Kubernetes fleets from 50 to 1,000+ microservices — through Infrastructure as Code, GitOps, and deep observability.

Skills Summary

- o **Languages:** Python, Bash
- o **Infrastructure:** Kubernetes (EKS/GKE), Docker, GitOps (FluxCD), Terraform
- o **Observability:** Prometheus, VictoriaMetrics, Grafana, Loki, Graylog
- o **CI/CD:** GitHub Actions, GitLab CI, Jenkins
- o **Storage Engines:** PostgreSQL, MySQL, MongoDB, Redis, RabbitMQ
- o **Cloud & Tools:** AWS, GCP, Cloudflare, Git, Vault, KEDA, Temporal
- o **Soft Skills:** Responsibility, Problem Solving, Communication, Teamwork, Time Management

Work Experience

Opswat

Site Reliability Engineer II

Onsite / Ho Chi Minh, Vietnam

December 2024 - Now

- o Standardized infrastructure with **Terraform** across 4+ environments, eliminating config drift and enabling fully automated, repeatable service provisioning.
- o Reduced AWS compute costs via **Karpenter** autoscaling with >80% Spot Instances on production EKS clusters.
- o Unified deployments with **FluxCD + Kustomize** on EKS, eliminating manual release steps and improving consistency across all teams.
- o Built monitoring stack (Prometheus, VictoriaMetrics, Grafana) for **110+ services**, improving MTTR by **40%** and reducing downtime by **20%**.
- o Built centralized logging (Loki + VictoriaLogs) aggregating 110+ microservices, replaced ad-hoc debugging.
- o Authored reusable Helm charts and Terraform modules for delivery across internal AWS and customer-managed GCP/AWS environments.
- o Delivered on-premise releases as **RPM and OVA** (bootc-based), enabling immutable, upgrade-safe distribution to enterprise customers.
- o Operated and scaled persistence layer (MongoDB, RabbitMQ, Redis) for high-traffic production workloads.

ChoTot

DevOps Engineer

Onsite / Ho Chi Minh, Vietnam

July 2022 - December 2024

- o Migrated staging from on-premise to GCP with Terraform, achieving **~75% cost reduction** (~\$6K/month vs. \$35K/month for production).
- o Managed and optimized GKE clusters running **1,000+ microservices**; Spot workloads and right-sizing saved **\$12K+/month (30% compute reduction)**.
- o Defined SLOs/SLIs for HTTP/gRPC services, lifting uptime from **99.5% to 99.9%** and cutting p95

API latency by **25%**.

- Built reusable **GitHub Actions** workflow library, reducing CI/CD setup time by **80%** with automated testing gates.
- Replaced costly VPN with **Cloudflare Zero Trust**, improving security posture and reducing access complexity.
- Operated persistence layer (MongoDB, RabbitMQ, PostgreSQL, Redis) for high-traffic, real-time workloads.
- Provided **24/7 on-call** coverage, maintaining platform stability through peak traffic events.

Spores

DevOps Engineer

Remote / Ho Chi Minh, Vietnam

October 2021 - July 2022

- Designed GitOps pipelines with **GitHub Actions + ArgoCD**, automating deployments across Development, Testnet, and Mainnet environments.
- Built and operated blockchain indexing infrastructure (**Graph-Node**) on AWS for Ethereum, BSC, and Polygon, ensuring real-time data syncing.
- Managed cloud databases (PostgreSQL, Redis) and messaging queues, improving query performance.
- Deployed observability stack (Prometheus, Grafana, Loki), reducing mean time to detect production incidents.

FireGroup

System Engineer

Onsite / Ho Chi Minh, Vietnam

May 2020 - October 2021

- Led migration from on-premise to AWS EKS (130+ nodes, 100% Spot Instances) with Terraform, reducing compute costs by **40%**.
- Developed custom Helm charts for frontend, backend, worker, and Shopify webhook services, reducing config errors by **60%**.
- Migrated CI/CD from Jenkins to **GitLab CI**, improving pipeline performance by **50%**.
- Established **FluxCD** GitOps for 50+ applications, eliminating manual release processes.
- Deployed Nginx and Kong Ingress controllers for production traffic management.
- Built monitoring with EFK stack + Prometheus/Grafana, enabling proactive incident detection.
- Managed and optimized database systems (MySQL, PostgreSQL, MongoDB, Redis), ensuring high availability for production workloads.

Education

Ton Duc Thang University

Bachelor of Science in Computer Science

Ho Chi Minh, Vietnam

August 2015 - October 2021